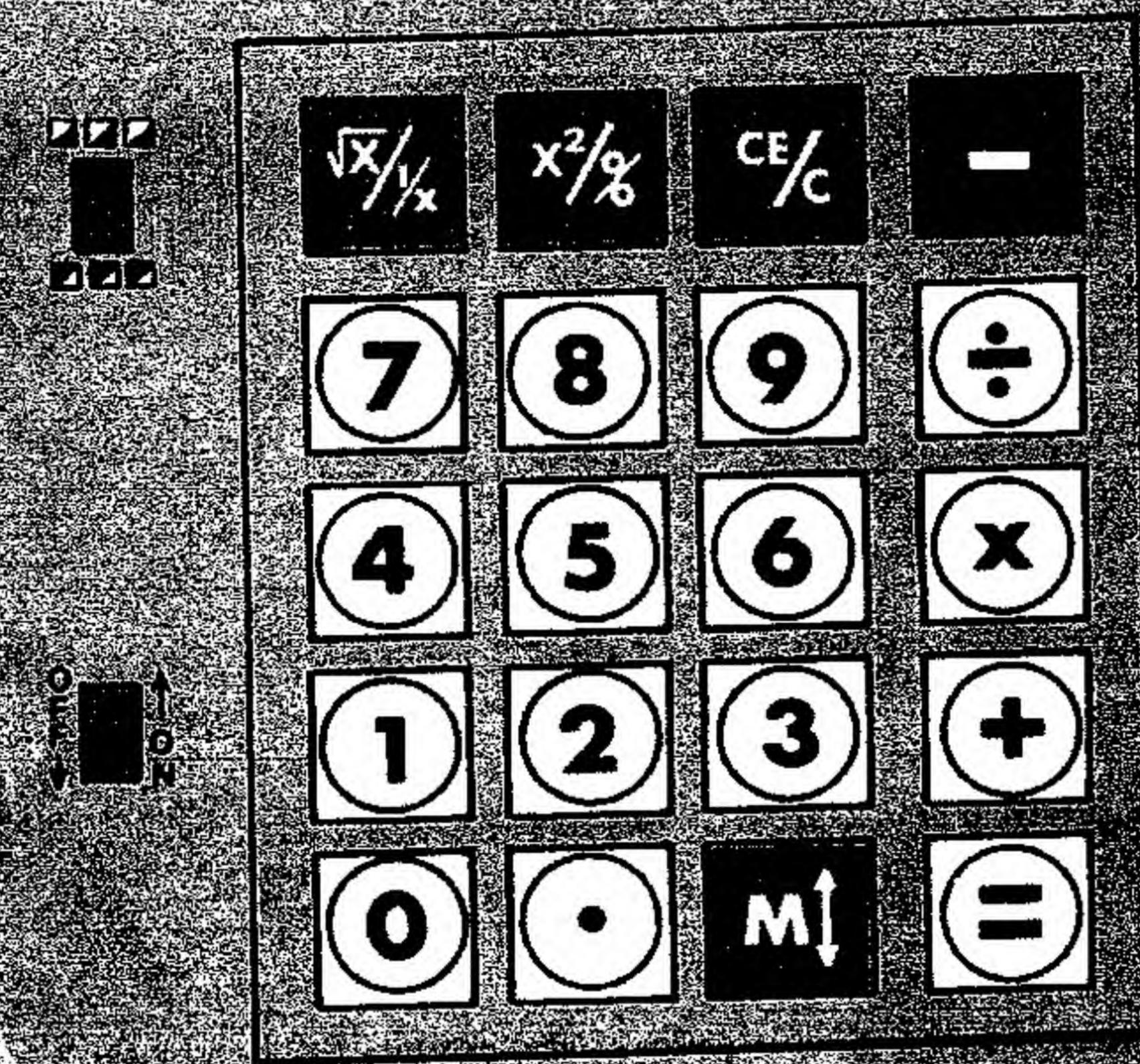


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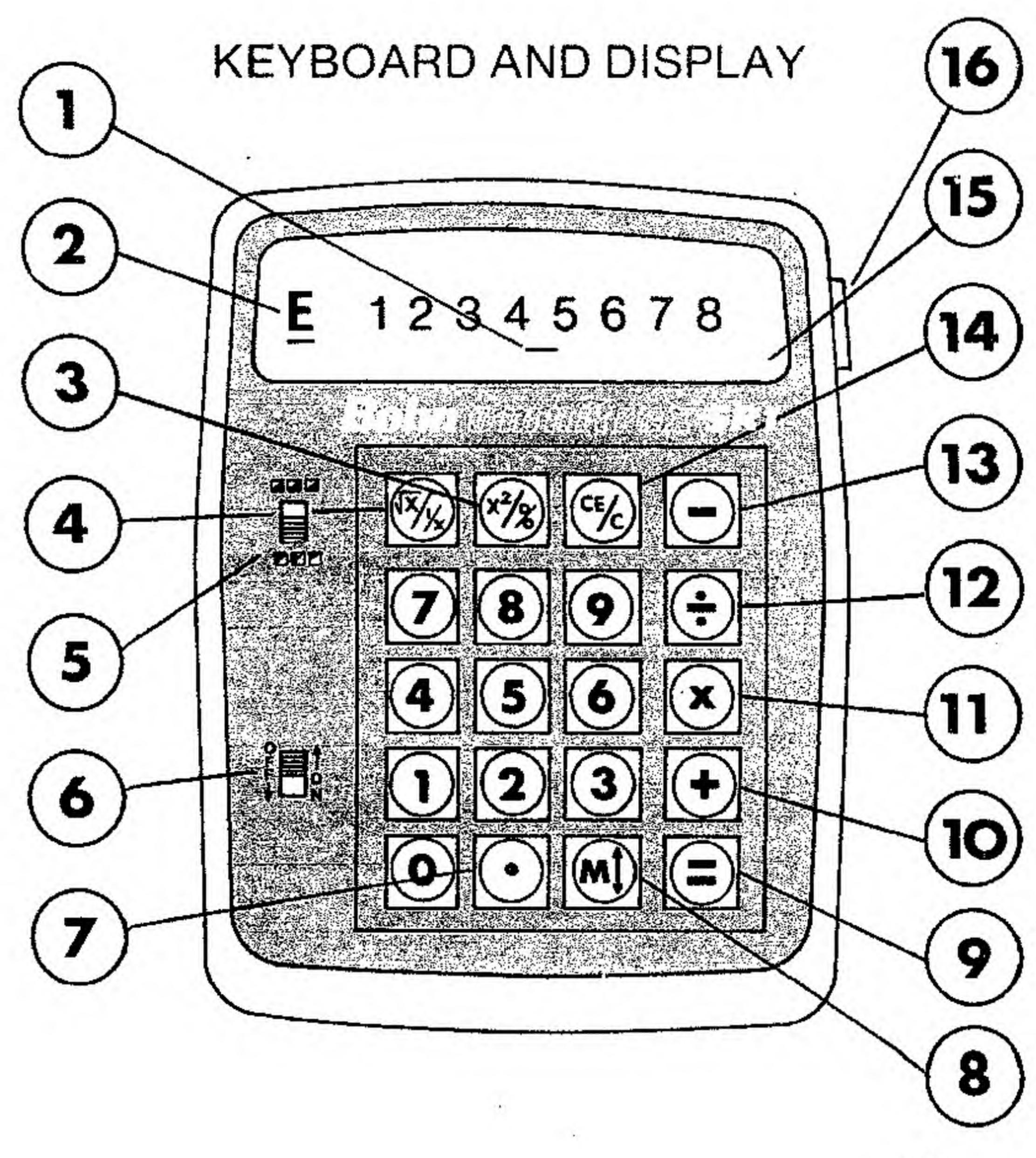
CONGRATULATIONS!

You are now the proud owner of one of the most advanced Electronic Slide Rules available today — the Bohn Omnitrex SR-1. This versatile electronic instrument not only silently performs the four basic arithmetic functions — addition, subtraction, multiplication, and division, but also performs more advanced calculations such as extracting square roots, squares, reciprocals, and percentages, all with true credit balance. The Bohn SR-1 also has a full function storage memory plus floating or fixed decimal.

The SR-1 comes complete with built in rechargeable batteries for a lifetime service and a combination AC adapter/charger.

The Bohn SR-1 is constructed of the most advanced space-age micro circuits combined with one of the largest, easiest to read displays available in a hand held calculator.

With proper care your Bohn SR-1 will provide dependable service for many years to come.



- 1. Display Blanking Indicator
- 2. Negative Overflow, Low Battery and Entry Error Indicator
- 3. Square/Percent Key
- 4. Square Root/Reciprocal Key
- 5. Selector Switch for Proper Mode
- 6. On-Off Switch
- 7. Numeric Entry Keyboard with Decimal Point
- 8. Memory and Constant Key
- 9. Equal Key
- 10. Addition Key
- 11. Multiplication Key
- 12. Division Key
- 13. Subtraction Key
- 14. Clear/Clear Entry Key
- 15. Display Panel (8 digits maximum with decimal point)
- 16. Power Cord Socket

SPECIFICATIONS

Functions Addition Chain Multiplication and Addition Subtraction Chain Division and Subtraction Multiplication V (Square Root) Division X² (Square) Raising to a power • 1/X (Reciprocal) Display Blanking for Memory Percentage Calculations **Power Conservation** Constant in all functions Low Battery Indicator 5/4 Round-off (Fixed Decimal Mode) Entry Error Signal Clear Entry/Total Clear Zero Suppression Mixed Calculations Overflow Indicator True Credit Balance Full Underflow and Overflow System Addition and Subtraction Results - 8 digits Capacity Storage Register (Constant) - 8 digits Product - 8 digits Memory — 8 digits Quotient -- 8 digits Automatic floating logic or fixed position mode from 0-7. Decimal Overflow System Display indicates E Symbol if entry exceeds 8 whole numbers. Result overflow will appear as I symbol when result produces more than 8 significant digits. **Underflow System** Display indicates the 8 most significant digits for answers greater than 8 digits. Negative Number Display indicates negative number by (-) sign at far left. Display Flourescent Display Tubes Components Mos/LSI and silicon solid state Dimensions 11/2" hight, 61/2" long, 41/4" wide Weight 10 ozs. net (without rechargeable batteries)

PRIOR TO USING

The rechargeable nickel cadmium batteries supplied with your Bohn Omnitrex SR-1 were completely charged at the factory, but may require additional charging before commencing battery operation due to discharging during shipping.

You may use the Omnitrex SR-1 while it is being charged. Just plug the charger/adapter into an electrical outlet and the charger/adapter cord into the power cord socket on the machine. A full charge should take about 12 hours.

HOW TO USE "AC" POWER

Turn ON/OFF switch to "OFF"

Plug the AC charger/adapter into 110 volt, AC power source. Insert the socket at the other end of the cord into the receptacle located on the calculator.

Turn the ON-OFF switch to "ON" position. Your calculator now is being operated thru "AC" power source, and is being charged at the same time.

HOW TO USE "BATTERY" POWER

If your unit was previously being operated by AC power source, then to use unit on "battery" power, move the ON-OFF switch to "OFF". Disconnect socket from calculator, then turn the ON-OFF switch to "ON" again. Your calculator is now ready to be operated on "Battery" power source.

LOW BATTERY INDICATION

When battery power supply values are reduced to a sufficiently low level to produce erroneous calculations, a special symbol (L) is displayed on the left most digit of the display. Batteries should then be fully recharged. Under normal usage your Bohn S/R will operate efficiently for approximately 4 hours on fully recharged batteries.

GENERAL INFORMATION

All numbers are entered in sign/magnitude format. A true algebraic system is provided so that key sequences reflect precisely the manner in which a problem is written or stated.

EXAMPLE

$$\frac{(-2+3-5) \times -(6)}{-8} = -3$$
Key sequence $-2+3-5 \times -6 \div -8 = -3$

DECIMAL OPERATIONS

When the unit is first turned on, it is automatically set in floating decimal mode.

Entry into the fixed decimal mode is accomplished using a specific key sequence:

•= N where N may be any numeral key from 0-7. Example: for 4 places depress •= 4. You may change the decimal testing by redoing the sequence with another N. However, when returning to the floating decimal, machine must be turned "OFF" and then "ON"

ADDITION AND SUBTR	ACTION	ENTER	TOUCH FUNCTION KEY	DISPLAY NOW READS
EXAMPLE:			C	0.
12 + 14 = 26	12	1 2	+	12.
	+ 14 26	1 4		26.
EXAMPLE:			C	0.
3.86 + 515.00 - 65.00 = 453.86		3 . 8 6	—	3.86
	+ 515.00 - 65.00	5 1 5 *		518.86
	453.86	6 5		453.86
EXAMPLE:			C	0.
610 - 845 = - 235	610	6 1 0		610.
	Error	8 4 4		844.
			CE	0.
Move selector switch to upper position	- 845	8 4 5		845.
	- 235			- 235.

^{*}Note: Two zeroes are always automatically added by the unit so it is unnecessary in this example to depress the zero key twice, or to depress the decimal key.

^{**}Note: In this example (-) symbol would appear at far left indicating that the number is a (minus) -235. This is a true credit balance total.

MULTIPLICATION AND DIVISION

		ENTER	TOUCH FUNCTION KEY	DISPLAY NOW READS
EXAMPLE:			C	0.
12 × 14 = 168	12 × 14	1 2 1 4		12.
EXAMPLE:	168		<u></u>	0.
2.67 × 15.2 = 40.58	15.2	2 <u>6</u> 7 <u>7</u> <u>1</u> <u>5</u> <u>7</u>		2.67
EXAMPLE:	40.584		[C]	0.
$-4 \times 3 = -12$	- 4			- 0.
	- 12	4 3		<u>-4.</u>
EXAMPLE:				0.
126 ÷ 6 = 21	6) 126	[1] [2] [6] [6]		126.
EXAMPLE:				0.
14.36 ÷ 8.2 = 1.751	21951210 1.75121951210			14.36
	8.2) 14.36000000000	8 . 2		1.7512195

Note: In this example the unit has utilized automatic underflow system.

CHAIN CALCULATIONS

	ENTER	TOUCH FUNCTION KEY	DISPLAY NOW READS
EXAMPLE:		C	0.
123.85 × 346 × 346.767 ÷ 3 × 14.1 = 69840561.555290 123.85 × 346 3 4 6	3 8 5 3 4 6 7 6 7		123.85 42852.1 14859694.
42852.10 × 346.767 14859694.16070 4953231.38690			4953231.3
3) 1485969416070 4953231.38690 × 14.1 69840561.555290			69840561.
MIXED CALCULATIONS	ENTER	TOUCH FUNCTION KEY	DISPLAY NOW READS
EXAMPLE:		C	0.
55 × 12 ÷ 22 + 85 - 14 = 101	5 5 1 2 2 2	× × ÷ +	55. 660. 30.
	8 5 1 4		115.

PERCENT CALCULATIONS

EXAMPLE:	NUMBERS	FUNCTION KEY	DISPLAY NOW READS
First move selector switch to bottom position		C	0.
6% of 220 = 13.2		9/6	6.
	2 2 0	•	13.2

ROUNDOFF

When operating in the fixed point mode, results have a 5/4 rounded off.

DISPLAY
BLANKING

To conserve on battery life, machine will blank out after 20 seconds. A (-) indicator in the middle of display will appear. To recall the previous display, depress = key.

OVERFLOW

If more than 8 digits are entered an (E) indicator will appear.

If result of problem is more than 8 digits, the machine will show a (□) on far left.

To get correct decimal position, move decimal eight places to right.

UNDERFLOW

Answers will be decimally correct at all times.

RAISING TO A POWER

	ENTER	TOUCH DISPLAY NOW FUNCTION KEY READS
EXAMPLE:	NUMBERS	FUNCTION KEY READS
Move selector switch to upper position		C 0.
$3^4 = 81$	3	×2 9.
$3 \times 3 \times 3 \times 3$		×2 81.
EXAMPLE:		
. Move selector switch to upper position		[C] [0.]
$2^5 \times 3 = 96$	2	\times^2
$2 \times 2 \times 2 \times 2 \times 3 = 96$		× ² . 16.
		× 16.
	2	32.
	3 .	96.
EXAMPLE:		[C] 0.]
$1365 \div 2.2^3 = 128.19308$	[1] [3] [6] [5]	÷ 1365.]
128.19308	2 . 2	÷ 620.45454
10.648).36500000	2 [2	÷ 282.02479
	2 [2]	÷ 128.19308

CONSTANT MULT (Following problems all	have .75 as a constant)	ON ENTER NUMBERS	TOUCH FUNCTION KEY	DISPLAY NOW READS
EXAMPLE:			C	0.1
$.75 \times 386 = 289.50$	386 × .75	[.] [7] [5] [3] [8] [6]		289.5
EXAMPLE:	289.50			0.
$.75 \times 486 = 364.5$	486 × .75	[4] [8] [6]		364.5
EXAMPLE:	364.50		C	0.1
$.75 \times 1397 = 1047.5$	1397 × .75 1047.75	[1] [3] [9] [7]		1047.75
CONSTANT DIVIS (Following problems all I		ENTER	TOUCH FUNCTION KEY	DISPLAY NOW READS
EXAMPLE:			C	0.1
25 ÷ 8 = 3.125	3.125 8) 25.000	[2] [5]		3.125
EXAMPLE:			[C]	0.
546 ÷ 8 = 68.25	68.25 8) 546.00	5 4 6		68.25
EXAMPLE:			C	0.7
$1734 \div 8 = 216.75$	216.75 8) 1734.00	7 3 4		216.75

CALCULATION WITH MEMORY

•	ENTER	TOUCH FUNCTION KEY	DISPLAY NOW READS
EXAMPLE:			0.]
M = 4	4		4.
M + 6 = 10	6]		4.
M - 3 = 1	3		4.
M × 6 = 24	6		24.
$M \div 2 = 2$	[2]		<u>4.</u> <u>2.</u>
Move selector switch to upper position $M^2 = 16$			16.

SQUARE ROOT

ENTER NUMBERS

TOUCH **FUNCTION KEY** DISPLAY NOW READS

MEMORY

ACCUMULATION OF PRODUCTS TO A GRAND TOTAL

.- : ...

First move selector switch to upper position

EXAMPLE:

9 6

V

C

13.

EXAMPLE:

 $\sqrt{170} = 13.038404$

C V

13.038404

EXAMPLE:

 $25 \times 23 = 575$

 $14.2 \times 16 = 227.2$

997.2

13 × 15 = 195

RECIPROCAL

First move selector switch to bottom position

EXAMPLE:

1/4 = 0.25

4

ìχ

С

0.25

C

×

0.1428571

EXAMPLE:

 $1/_7 = 0.1428571$

SQUARE

First move selector switch to upper position

EXAMPLE:

 $15^2 = 225$

EXAMPLE: $32^2 = 1024$ 5

 \times^2

C

C

3 2

 \times^2

1024.

ENTER TOUCH DISPLAY NOW NUMBERS FUNCTION KEY READS

- C 0.
- 2 5 × 25. 2 3 = M 575.
- 1
 3
 ×
 13.

 1
 5
 =
 195.
 - + M = M 770.
- 1
 4
 .
 2
 ×
 14.2

 1
 6
 =
 227.2

 +
 M
 =
 997.2

VARIED CALCULATIONS

AVIIITO OVECOTA	1110140		
	ENTER	TOUCH FUNCTION KEY	DISPLAY NOW READS
EXAMPLE:			0.
4 ×2 V × 1×	4	×2	16.
	•	V	4.
To perform this function, move selector switch from top to bottom positi		1X	0.25
CHAIN			
EXAMPLE:		C	0.
1 = 0.25	1 9	[+]	19.
$\left \frac{\sqrt{19+17}}{2}\right ^2 - 5$	1 7	V	6.

as above

MAINTENANCE INSTRUCTIONS

This calculator is made up of precise parts such as large scale integrated circuits. Hence radical changes in temperature or humidity are never permitted. The following points must be carefully noted.

- 1. Do not drop or give a strong shock or vibration to the machine.
- 2. Power switch must be always "OFF" when power cord is pulled out or to switch power sources between "AC" and "BAT"
- 3. Direct rays of the sun or a stove, etc. which gives direct heat for long hours must be avoided.
- 4. When removing dust from the machine, use either neutral cleaner or plastic cleaner. Do not use volatile matter, such as paint thinner or wet cloth.
- 5. Please put it in the carrying case when traveling.

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